



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery 'Understanding the World'	<p>What makes me special?</p> <ul style="list-style-type: none"> - Owl babies – me and my family - Harvest - Using my senses to explore - How do I feel? - What can you hear? Smell? Taste? 	<p>What do I celebrate?</p> <ul style="list-style-type: none"> - What is changing around us? - Bonfire Night - How and why are firefighters important? - Fire safety - Diwali 	<p>Can you tell me a tale?</p> <ul style="list-style-type: none"> - How have things changed? - Changes over the years - Let's explore materials - Building materials - How do materials change 	<p>What do you see on the farm?</p> <ul style="list-style-type: none"> - What is a farm? - Experiences of a farm - What is changing around us and how is it changing? - How does an animal change? - How to look after plants - Caring for living things - Growing my own bean 	<p>Who are our helping heroes?</p> <ul style="list-style-type: none"> - How are the people around you heroes? - What do they do? - Visitors – police officer, dentist, fire fighter. 	<p>Where shall we sail?</p> <ul style="list-style-type: none"> - How can we sail? - How can we travel? - Have I travelled anywhere? - How did I get there? - Who would sail?
Careers Alignment	<p><u>Childminder</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Training to care for children <p><u>Baker</u></p> <ol style="list-style-type: none"> 1. School 2. Learning on the job 	<p><u>Fireguard</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Emergency service training <p><u>Fireworks Safety Officer</u></p> <ol style="list-style-type: none"> 1. School 2. Health and safety training 	<p><u>Toy Maker</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Training to make toys <p><u>Puppeteer</u></p> <ol style="list-style-type: none"> 1. School 2. Training for how to make puppets 	<p><u>Animal Care Worker</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Training with animals <p><u>Tractor Driver</u></p> <ol style="list-style-type: none"> 1. School 2. Training on the job 	<p><u>Crossing Patrol Officer</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Safety training <p><u>Librarian</u></p> <ol style="list-style-type: none"> 1. School 2. Training to work with books 	<p><u>Sailor</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Training at sea <p><u>Harbour Worker</u></p> <ol style="list-style-type: none"> 1. School 2. On the job learning.

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	3. Health and Safety training			3. License to drive a tractor		
Reception 'Understanding the World'	<p>What are my superpowers?</p> <ul style="list-style-type: none"> - Talk about the lives of people familiar to them branching out to careers 	<p>Where will my imagination take me?</p> <ul style="list-style-type: none"> - Explore differences in life in this country and other countries 	<p>What happens in our world?</p> <ul style="list-style-type: none"> - Know some similarities and differences between the world around them and contrasting environments 	<p>Do I want to be a knight?</p> <ul style="list-style-type: none"> - Compare and contrast the past with present day 	<p>Where do animals live?</p> <ul style="list-style-type: none"> - Explore the natural world, observing and describing the world around them - Compare and contrast their immediate environment to contrasting environments - Life cycles 	<p>Do I want to be a pirate?</p> <ul style="list-style-type: none"> - Compare and contrast environments - Exploring changing matter and materials
Careers Alignment	<p><u>Supermarket Assistant</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. On the job learning <p><u>Police Officer</u></p> <ol style="list-style-type: none"> 1. School 	<p><u>Airline Cabin Crew</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Health and Safety training <p><u>Translator</u></p> <ol style="list-style-type: none"> 1. School 2. Language qualification 	<p><u>Weather Reporter</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Training to identify the weather <p><u>Road Worker</u></p> <ol style="list-style-type: none"> 1. School 	<p><u>Castle Guide</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Learning about history <p><u>Blacksmith</u></p> <ol style="list-style-type: none"> 1. School 	<p><u>Pond Dipper</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Learning about nature <p><u>Tree Surgeon</u></p> <ol style="list-style-type: none"> 1. School 2. Safety and outdoor training 	<p><u>Map Maker (Cartographer)</u> <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> 1. School 2. Learning about maps <p><u>Ship Builder</u></p> <ol style="list-style-type: none"> 1. School

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	2. Emergency services training		2. Health and safety job training	2. Training of traditional skills		2. Training about materials
Year 1	<p>Plants</p> <p>Which plants will we find in the park?</p> <p>Scientific Enquiry Link: Observing over time</p>	<p>Seasonal Changes</p> <p>Why does it get darker earlier in Winter?</p> <p>Scientific Enquiry Link: Research using secondary sources</p>	<p>Animals including humans</p> <p>Why are humans not like tigers?</p> <p>Scientific Enquiry Link: Pattern seeking</p>	<p>Living things & their habitats</p> <p>Where do plants and animals live?</p> <p>Scientific Enquiry Link: Identifying, classifying & grouping</p>	<p>Changing materials</p> <p>Which materials should the three little pigs use to build a house?</p> <p>Scientific Enquiry Link: Comparative & fair testing</p>	<p>Consolidation Activity</p>
Careers Alignment	<p><u>Gardener</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College Course in gardening or horticulture <p><u>Arborist</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in arboriculture Safety certificates for climbing 	<p><u>Teacher</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Levels University Degree Teacher Training course (PGCE or similar) <p><u>Nature Guide</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College or university course in wildlife, countryside 	<p><u>Zookeeper</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in animal care or management Degree in Zoology is extremely advantageous. <p><u>Vet</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Levels in science subjects 	<p><u>Florist</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in floristry <p><u>Farmer</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in agriculture. 	<p><u>Builder</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE Apprenticeship in construction. <p><u>Artist</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE (especially in art) College or university course in art is advantageous. 	

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	and equipment use.	or nature studies	3. University degree in veterinary medicine			
Year 2	<p>Living things & their habitats</p> <p>Why would a dinosaur not make a good pet?</p> <p>Scientific Enquiry Link: Research using secondary sources</p>	<p>Forces & movement</p> <p>Could Lightning McQueen race on our field?</p> <p>Scientific Enquiry Link: Comparative & fair testing</p>	<p>Animals including humans</p> <p>How will 5 a day help me to be healthy?</p> <p>Scientific Enquiry Link: Observing over time</p>	<p>Plants</p> <p>How can I be the next Master Chef?</p> <p>Scientific Enquiry Link: Pattern seeking</p>	<p>Uses of everyday materials</p> <p>What materials would you use to build our school?</p> <p>Scientific Enquiry Link: Identifying, classifying & grouping</p>	Consolidation Activity
Careers Alignment	<p>Biologist <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level science (biology) University degree in Biology <p>Park Ranger <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE College course in countryside management or 	<p>Road Engineer <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level maths or college engineering course University degree or higher apprenticeship in civil engineering <p>Mechanic <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE 	<p>Chef <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE College course in professional cookery Apprenticeship <p>Dietician <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Science (Biology) or College Health Course 	<p>Conservationist <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE College course in conservation or environmental studies University degree or specialist training in conservation. <p>Horticulturist</p>	<p>Architect <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A level Art or Maths University degree in Architecture Professional training and work placement <p>Interior Designer <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE College course in 	

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	<p>conservation</p> <p>3. Outdoor safety certificates</p>	<p>2. College course in motor vehicle maintenance</p> <p>3. Apprenticeship</p>	<p>3. University degree in Dietetics</p> <p>4. Professional registration</p>	<p><i>Typical UK Pathway</i></p> <p>1. GCSE</p> <p>2. College course in horticulture</p> <p>3. University degree or apprenticeship in gardening / plant care.</p>	<p>art, design or interior design</p> <p>3. University degree or specialist design course.</p>	
<p>Year 3</p>	<p>Rocks, fossils and soils</p> <p>What do rocks tell us about the way the Earth was formed?</p> <p>Scientific Enquiry Link: Identifying, classifying & grouping</p>	<p>Magnets</p> <p>What is the attraction?</p> <p>Scientific Enquiry Link: Research using secondary sources</p>	<p>Animals including humans</p> <p>Can everyone move like Simone Biles?</p> <p>Scientific Enquiry Link: Pattern seeking</p>	<p>Plants</p> <p>How did that blossom become an apple?</p> <p>Scientific Enquiry Link: Comparative & fair testing</p>	<p>Light</p> <p>How far can you throw a shadow?</p> <p>Scientific Enquiry Link: Observing over time</p>	<p>Consolidation Activity</p>
<p>Careers Alignment</p>	<p><u>Palaeontologist</u></p> <p><i>Typical UK Pathway</i></p> <p>1. GCSE</p> <p>2. A Level Science (Biology or Geology)</p> <p>3. University degree in Palaeontology</p>	<p><u>Physicist</u></p> <p><i>Typical UK Pathway</i></p> <p>1. GCSE</p> <p>2. A Level Physics and Maths</p> <p>3. University degree in Physics</p>	<p><u>Physiotherapist</u></p> <p><i>Typical UK Pathway</i></p> <p>1. GCSE</p> <p>2. A Level Science (Biology) or College health course</p> <p>3. University degree in</p>	<p><u>Landscape Architect</u></p> <p><i>Typical UK Pathway</i></p> <p>1. GCSE</p> <p>2. A Level Art, Geography or College Design Course</p>	<p><u>Optician</u></p> <p><i>Typical UK Pathway</i></p> <p>1. GCSE</p> <p>2. A Level Science (Physics or Biology)</p> <p>3. University degree or apprenticeship in Optometry</p>	

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	<p>gy or Earth Sciences</p> <p><u>Geologist</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Science or Geography University degree in Geology 	<p><u>MRI Radiographer</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Science or Health Course University degree in Radiography Specialist MRI Training 	<p>Physiotherapy</p> <ol style="list-style-type: none"> Professional Registration <p><u>Personal Trainer</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE Level 2 Fitness Instructor Qualification Level 3 Personal Trainer Qualification 	<ol style="list-style-type: none"> University degree in Landscape Architecture <p><u>Beekeeper</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE Beekeeping courses or local association training On the job experience 	<ol style="list-style-type: none"> Professional registration <p><u>Photographer</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in Photography or Art Work experience or specialist photography training. 	
Year 4	<p>Living things & their habitats</p> <p>Which animals and plants, wild or domestic thrive in your locality?</p> <p>Scientific Enquiry Link: Identifying, classifying & grouping</p>	<p>Electricity</p> <p>How could we cope without electricity for one day?</p> <p>Scientific Enquiry Link: Comparative & fair testing</p>	<p>Animals including humans</p> <p>What happens to the food we eat?</p> <p>Scientific Enquiry Link: Research using secondary sources</p>	<p>States of matter</p> <p>Will we ever see the water we drink again?</p> <p>Scientific Enquiry Link: Observing over time</p>	<p>Sound</p> <p>Why is the sound made by Ed Sheeran enjoyed by so many people?</p> <p>Scientific Enquiry Link: Pattern seeking</p>	Consolidation Activity
Careers Alignment	<p><u>Ecologist</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Science 	<p><u>Electrician</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in 	<p><u>Doctor</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Biology and Chemistry 	<p><u>Water Engineer</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE 	<p><u>Acoustic Engineer</u> Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE 	

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	<p>(Biology or Geography)</p> <ol style="list-style-type: none"> University degree in Ecology or Environmental Science. <p>Wildlife Filmmaker Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE College course in Media, Film or Photography Specialist training and field experience 	<p>electrical installation</p> <ol style="list-style-type: none"> Apprenticeship and safety certification <p>Electrical Engineer Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Maths and Physics University degree or higher apprenticeship in Electrical Engineering. 	<ol style="list-style-type: none"> Medical degree Foundation and specialist training <p>Dentist Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Biology and Chemistry Dental degree Professional registration 	<ol style="list-style-type: none"> A Level Maths or Science University degree or apprenticeship in Civil or Water Engineering <p>Meteorologist Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Maths and Physics University degree in Meteorology or Atmospheric Science 	<ol style="list-style-type: none"> A Level Maths and Physics University degree in Acoustic Engineering or Engineering <p>Audiologist Typical UK Pathway</p> <ol style="list-style-type: none"> GCSE A Level Science (Biology or Physics) University degree in Audiology Professional registration 	
Year 5	<p>Living things & their habitats</p> <p>Do all animals and plants start life as an egg?</p> <p>Scientific Enquiry Link: Identifying, classifying & grouping</p>	<p>Forces</p> <p>Does everything that goes up always come down?</p> <p>Scientific Enquiry Link: Pattern seeking</p>	<p>Animals including humans</p> <p>How different will you be when you are as old as your grandparents?</p> <p>Scientific Enquiry Link: Research using secondary sources</p>	<p>Earth & Space</p> <p>Why are we sending another human to the moon?</p> <p>Scientific Enquiry Link: Observing over time</p>	<p>Properties of materials</p> <p>Which materials have shape shifting abilities?</p> <p>Scientific Enquiry Link: Comparative & fair testing</p>	<p>Consolidation Activity</p>

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Careers Alignment	<u>Paediatrician</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Biology and Chemistry Medical degree Paediatric specialist training 	<u>Sports Scientist</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Science (Biology or PE) University degree in Sports Science 	<u>School Counsellor</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Psychology or Health and Social Care University degree in Psychology or Counselling Professional counselling qualification 	<u>Astronomer</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Maths and Physics University degree in Astronomy or Astrophysics 	<u>Product Designer</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Design & Technology or Art University degree in Product Design 	
	<u>Midwife</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Science or College Health Course University degree in Midwifery Professional registration 	<u>Aerospace Engineer</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Maths and Physics University degree or higher apprenticeship in Aerospace Engineering 	<u>Author</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level English or Creative Writing Writing courses, practice and publishing experience 	<u>Astronaut</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Maths and Science University degree in Science or Engineering Specialist astronaut training 	<u>Pharmacist</u> <i>Typical UK Pathway</i> <ol style="list-style-type: none"> GCSE A Level Chemistry and Biology Pharmacy degree Professional training and registration 	

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<p>Year 6</p>	<p>Living things & their habitats</p> <p>Could Spiderman really exist?</p> <p>Scientific Enquiry Link: Identifying, classifying & grouping</p>	<p>Electricity</p> <p>Could robots replace humans?</p> <p>Scientific Enquiry Link: Comparative & fair testing</p>	<p>Animals including humans</p> <p>Why is the heart the most important pump we own?</p> <p>Scientific Enquiry Link: Pattern seeking</p>	<p>Light</p> <p>Are you afraid of the dark?</p> <p>Scientific Enquiry Link: Observing over time</p>	<p>Evolution & Inheritance</p> <p>Have we always looked like this?</p> <p>Scientific Enquiry Link: Research using secondary sources</p>	<p>Consolidation Activity</p>
<p>Careers Alignment</p>	<p>Museum Curator <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level History, Art or Science University degree in Museum Studies, History, Art or a specialist subject <p>Taxonomist <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Biology University degree in Biology or Zoology 	<p>Renewable Energy Technician <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE College course in Renewable Energy or Engineering Apprenticeship and technical certification <p>Robotics Engineer <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Maths and Physics University degree or higher 	<p>Paramedic <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Science or College Health Course University degree or apprenticeship in Paramedic Science Professional registration <p>Cardiologist <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Biology and Chemistry Medical degree 	<p>Laser Engineer <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Maths and Physics University degree in Engineering or Physics <p>Oceanographer <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Science (Geography, Biology or Physics) University degree in Oceanography or Marine Science 	<p>Geneticist <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Biology and Chemistry University degree in Genetics or Biological Sciences <p>Forensic Scientist <i>Typical UK Pathway</i></p> <ol style="list-style-type: none"> GCSE A Level Science (Biology or Chemistry) 	

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	4. Specialist postgraduate study	apprenticeship in Robotics or Engineering	4. Specialist cardiology training		3. University degree in Forensic Science or a science subject	
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